

DS-2CD2746G2T-IZS

## AcuSense 4 MP IR Varifocal Dome Network Camera



- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- False alarm reduction through human and vehicle target classification based on deep learning
- -S: audio and alarm interface available
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- 3D DNR technology delivers clean and sharp images

### AcuSense

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.



## ▪ Specification

| Camera                      |  |
|-----------------------------|--|
| Image Sensor                | 1/2.7" Progressive Scan CMOS   |
| Min. Illumination           | Color: 0.003 Lux @ (F1.4, AGC ON)  |
| Shutter Speed               | 1/3 s to 1/100,000 s   |
| Day & Night                 | ICR Cut  |
| Angle Adjustment            | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°   |
| Slow Shutter                | Yes  |
| P/N                         | P/N  |
| Wide Dynamic Range          | 120 dB   |
| Power-off Memory            | Yes  |
| Lens                        |  |
| Lens Type & FOV             | 2.8 to 12 mm, horizontal FOV 108° to 30°, vertical FOV 56° to 17°, diagonal FOV 131° to 35°  |
| Aperture                    | F1.4   |
| Lens Mount                  | Ø14  |
| Aperture Type               | Fixed  |
| Focus                       | Auto   |
| Illuminator                 |  |
| IR Range                    | Up to 40 m   |
| Wavelength                  | 850 nm   |
| Smart Supplement Light      | Yes  |
| Supplement Light            | IR   |
| Video                       |  |
| Max. Resolution             | 2592 × 1944  |
| Main Stream                 | 50Hz: 20fps (2592 × 1944)<br>25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)<br>60Hz: 20fps (2592 × 1944)<br>30fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) |
| Sub Stream                  | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)   |
| Third Stream                | 50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)   |
| Video Compression           | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264   |
| Video Bit Rate              | 32 kbps to 8 Mbps  |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile   |
| H.265 Type                  | Main Profile   |
| H.264+                      | Main Stream supports   |
| H.265+                      | Main Stream supports   |
| Bit Rate Control            | CBR/VBR  |
| Scalable Video Coding (SVC) | Yes  |
| Region of Interest (ROI)    | 1 fixed region for each stream   |

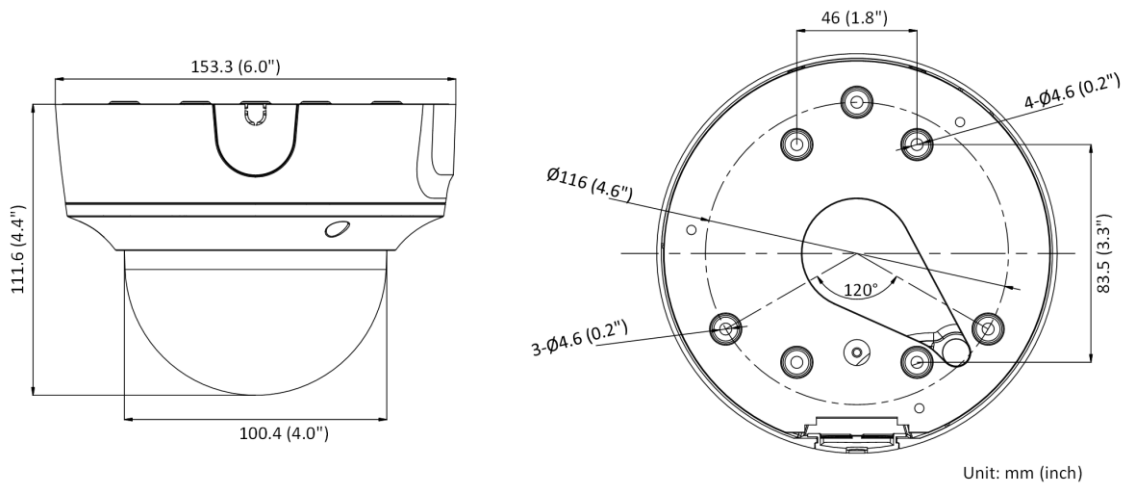
| <b>Audio</b>                                 |   |
|--|---|
| Environment Noise Filtering                  | Yes   |
| Audio Sampling Rate                          | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz   |
| Audio Compression                            | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3   |
| Audio Bit Rate                               | 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8-320Kbps(MP3)  |
| <b>Network</b>                               |   |
| Simultaneous Live View                       | Up to 6 channels  |
| API  | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK   |
| Protocols                                    | TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS  |
| Smooth Streaming                             | Yes   |
| User/Host                                    | Up to 32 users. 3 user levels: administrator, operator and user   |
| Security                                     | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.2, WSSE and digest authentication for ONVIF   |
| Network Storage                              | MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported   |
| Client                                       | iVMS-4200, Hik-Connect, Hik-Central   |
| Web Browser                                  | Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+   |
| <b>Image</b>                                 |   |
| Day/Night Switch                             | Day, Night, Auto, Schedule  |
| Image Enhancement                            | BLC, HLC, 3D DNR  |
| Image Parameters Switch                      | Yes   |
| Image Settings                               | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  |
| <b>Interface</b>                             |   |
| Alarm  | 1 alarm input, 1 alarm output (max. 24 VAC/24 VDC @500 mA)  |
| Audio  | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium;<br>1 output (line out), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 100 $\Omega$ , interface type: non-equilibrium |
| Video Output                                 | 1Vp-p Composite Output (75 $\Omega$ /CVBS)  |
| On-board Storage                             | Built-in micro SD slot, up to 256 GB  |
| Hardware Reset                               | Yes   |
| Communication Interface                      | 1 RJ45 10M/100M self-adaptive Ethernet port   |
| <b>Intelligent (Traditional Algorithm)</b>   |   |
| Basic Event                                  | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection  |
| <b>Intelligent (Deep Learning Algorithm)</b> |   |
| Face Capture                                 | Yes   |
| Premier Protection                           | Line crossing detection, intrusion detection, region entrance detection, region exiting detection   |

| General                          |   |
|----------------------------------|---|
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   |
| Power Supply                     | 12 VDC ± 25%, reverse polarity protection<br>PoE: 802.3af, class 3  |
| Power Consumption and Current    | 12 VDC, 0.9 A, max. 10.8 W<br>PoE: (802.3af, 36 V to 57 V), 0.36 A to 0.23 A, max. 12.9 W   |
| Power Interface                  | Ø5.5 mm coaxial power plug  |
| Material                         | Metal   |
| Camera Dimension                 | Ø153.5 × 111.6 mm (6.0" × 4.4")   |
| Package Dimension                | 244 × 174 × 173 mm (9.6" × 6.9" × 6.8")   |
| Camera Weight                    | Approx. 880 g (1.9 lb.)   |
| With Package Weight              | Approx. 1471 g (3.2 lb.)  |
| Linkage Method                   | Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, audible warning   |
| Web Client Language              | 33 languages<br>English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian |
| General Function                 | Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter   |
| Software Reset                   | Yes   |
| Approval                         |   |
| EMC                              | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)  |
| Safety                           | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)   |
| Environment                      | CE-ROHS (2011/65/EU); WEEE (2012/19/EU); REACH (Regulation (EC) No 1907/2006)   |
| Protection                       | Ingression protection: IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)   |

### ▪ Available Model

DS-2CD2746G2T-IZS(2.8 to 12 mm)

▪ **Dimension**



▪ **Accessory**



DS-1471ZJ-155  
Pendant Mount



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1473ZJ-155B  
Wall Mount



DS-1473ZJ-155  
Wall Mount



DS-1280ZJ-DM55  
Junction Box



DS-1227ZJ-DM44  
In-Ceiling Mount



DS-1476ZJ-SUS  
Corner Mount

Distributed by

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